

| | | | | | |
|----------------------------------|---|-------------------------|----------------------|-------------|-------------------|
| Customer | : CU-DAR001 Dart Helicopters Services | Drawing Name | : PEDAL ASSEMBLY | | |
| Job Number | : 47450 | | | | |
| Estimate Number | : 11005 | | | | |
| P.O. Number | : | Part Number | : D412704041 | | |
| This Issue | : 23/04/2009 S.O. No. : | Drawing Number | : D412-704-041 REV A | | |
| Prsht Rev. | : NC | Project Number | : N/A | | |
| First Issue | : / / Type : SMALL /MED FAB | Drawing Revision | : A | | |
| Previous Run | : 46296 | Material | : | | |
| Written By | : _____ | Due Date | : 10/05/2009 | Qty: | 4 Um: Each |
| Checked & Approved By | : <u>JUD 09.04.24</u> | | | | |
| Comment | : Est Rev:B 05.01.28 Removed hardware on Step 2; Added Figures 1-3 KJ/RF Est Rev:C 06.03.08 Re-format EC Est Rev:D 07-03-20 Added Dwg D412-704-041 07-03-20 JLM Est Rev:E 07.05.02 Reformat EC Est Rev:F 08-10-08 as per reva DD verified by:EC | | | | |

Job Number:



| | | |
|-----|----------|------------------------|
| 1.0 | D3204041 | Release Pedal Assembly |
|-----|----------|------------------------|



| Qty | Part number | Description | batch |
|-----|-------------|----------------|---------|
| 1 | D3204-041 | Pedal Assembly | B 46855 |

| | | |
|-----|--------|---------------|
| 2.0 | D32051 | Pedal Bracket |
|-----|--------|---------------|



| Qty | Part number | Description | batch | |
|-----|-------------|-------------|--------------|-------------|
| 1 | D3205-1 | Bracket | B46972 (100) | B43301 (30) |

| | | |
|-----|--------|------------|
| 3.0 | D32053 | Back Plate |
|-----|--------|------------|



| Qty | Part number | Description | batch |
|-----|-------------|-------------|--------|
| 1 | D3205-3 | GHW Bracket | B35209 |

09/05/05

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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NOTE: Date & initial all entries

Date: Thursday, 23/04/2009 3:31:54 PM
User: Julie Dawson

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: PEDAL ASSEMBLY

Job Number: 47450

Part Number: D412704041

Job Number:



Seq. #:

Machine Or Operation:

Description :

4.0

D32061

Pedal Arm



Comment: Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

| Qty | Part number | Description |
|-----|-------------|-------------|
| 1 | D3206-1 | Pedal arm |

batch

B43619

EP09/05/05

5.0

D3209041

Bracket Assembly



Comment: Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

| Qty | Part number | Description |
|-----|-------------|-------------|
| 1 | D3209-.041 | Bracket |

batch

B43621

EP09/05/05

6.0

AN310A

Bolt



Comment: Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

| Qty | Part number | Description |
|-----|-------------|-------------|
| 1 | AN3-10A | Bolt |

batch

M17566

EP09/05/05

7.0

AN3154R

Nut



Comment: Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

| Qty | Part number | Description |
|-----|-------------|-------------|
| 1 | AN315-4R | Nut |

batch

M17566

EP09/05/05

8.0

AN410A

Bolt



Comment: Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

| Qty | Part number | Description |
|-----|-------------|-------------|
| 1 | AN4-10A | Bolt |

batch

M108986

EP09/05/05

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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Date: Thursday, 23/04/2009 3:31:54 PM
User: Julie Dawson

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: PEDAL ASSEMBLY

Job Number: 47450

Part Number: D412704041

Job Number:



Seq. #:

Machine Or Operation:

Description :

9.0

AN412A

Bolt



Comment: Qty.: 2.0000 Each(s)/Unit Total : 8.0000 Each(s)

Pick:

| Qty | Part number | Description | batch |
|-----|-------------|-------------|----------|
| 2 | AN4-12A | Bolt | M1109754 |

Ep09/05/05

10.0

AN413A

Bolt



Comment: Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

| Qty | Part number | Description | batch |
|-----|-------------|-------------|---------|
| 1 | AN4-13A | Bolt | M110731 |

Ep09/05/05

11.0

AN960JD10

Washer



Comment: Qty.: 5.0000 Each(s)/Unit Total : 20.0000 Each(s)

Pick:

| Qty | Part number | Description | batch |
|-----|-------------|-------------|---------|
| 5 | AN960JD10 | Washer | M110985 |

Ep09/05/05

12.0

AN960JD416

Washer



Comment: Qty.: 11.0000 Each(s)/Unit Total : 44.0000 Each(s)

Pick:

| Qty | Part number | Description | batch |
|-----|-------------|-------------|---------|
| 11 | AN960JD416 | Washer | M110363 |

Ep09/05/05

13.0

AN960JD416L

Washer



Comment: Qty.: 3.0000 Each(s)/Unit Total : 12.0000 Each(s)

Pick:

| Qty | Part number | Description | batch |
|-----|-------------|-------------|---------|
| 3 | AN960JD416L | Washer | M110153 |

Ep09/05/05

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
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| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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NOTE: Date & initial all entries

Date: Thursday, 23/04/2009 3:31:54 PM
User: Julie Dawson

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: PEDAL ASSEMBLY

Job Number: 47450

Part Number: D412704041

Job Number:



Seq. #:

Machine Or Operation:

Description :

14.0

MS21042L3

Nut



Comment: Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

Qty Part number Description
1 MS21042L3 Nut

batch

M110844

EP09/05/05

15.0

MS21042L4

Nut



Comment: Qty.: 5.0000 Each(s)/Unit Total : 20.0000 Each(s)

Pick:

Qty Part number Description
5 MS21042L4 Nut

batch

M110450

EP09/05/05

16.0

MS24694S102

Screw



Comment: Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

Qty Part number Description
1 MS24694S102 Screw

batch

M114604

EP09/05/05

17.0

MS951910

Bolt



Comment: Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

Qty Part number Description
1 MS9519-10 Bolt

batch

M1100290

EP09/05/05

18.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

Assemble pedal as per Dwg D412-704-041

Tighten & Torque Bolts as per Dwg D412-704-041

EP09/05/05

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
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NOTE: Date & initial all entries

Date: Thursday, 23/04/2009 3:31:54 PM
User: Julie Dawson

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: PEDAL ASSEMBLY

Job Number: 47450

Part Number: D412704041

Job Number:



| Seq. #: | Machine Or Operation: | Description : |
|---------|-----------------------|---------------|
|---------|-----------------------|---------------|

| | | |
|------|-----|------------------------------|
| 19.0 | QC5 | INSPECT WORK TO CURRENT STEP |
|------|-----|------------------------------|



Comment: INSPECT WORK TO CURRENT STEP

808/05/05 (40)

| | | |
|------|-------------|-----------------------|
| 20.0 | PACKAGING 1 | PACKAGING RESOURCE #1 |
|------|-------------|-----------------------|



Comment: PACKAGING RESOURCE #1
Pick Packing Kit

| | | |
|------|------------|--------|
| 21.0 | AN960JD10L | Washer |
|------|------------|--------|



Comment: Qty.: 4.0000 Each(s)/Unit Total : 16.0000 Each(s)

Pick:

| Qty | Part number | Description | batch |
|-----|-------------|-------------|---------|
| 4 | AN960JD10L | Washer | 1109632 |

9/5/5

SP

| | | |
|------|-------|------|
| 22.0 | AN36A | Bolt |
|------|-------|------|



Comment: Qty.: 2.0000 Each(s)/Unit Total : 8.0000 Each(s)

Pick:

| Qty | Part number | Description | batch |
|-----|-------------|-------------|---------|
| 2 | AN3-6A | Bolt | 1109752 |

9/5/5

SP

| | | |
|------|-----------|-----|
| 23.0 | MS21042L3 | Nut |
|------|-----------|-----|



Comment: Qty.: 2.0000 Each(s)/Unit Total : 8.0000 Each(s)

Nut

Batch: 1110844

9/5/5

SP

| | | |
|------|-----|------------------------------------|
| 24.0 | QC4 | INSPECT 100% KITS FOR COMPLETENESS |
|------|-----|------------------------------------|



Comment: INSPECT 100% KITS FOR COMPLETENESS

808/05/06

(40)

| | | |
|------|-------------|-----------------------|
| 25.0 | PACKAGING 1 | PACKAGING RESOURCE #1 |
|------|-------------|-----------------------|



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: 88047324

8808/05/05 (40)

| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
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NOTE: Date & initial all entries

Date: Thursday, 23/04/2009 3:31:54 PM
User: Julie Dawson

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: PEDAL ASSEMBLY

Job Number: 47450

Part Number: D412704041

Job Number:



Seq. #:

Machine Or Operation:

Description :

26.0

QC21

FINAL INSPECTION/W/O RELEASE



09/05/06
JF

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



MF
09-05-05

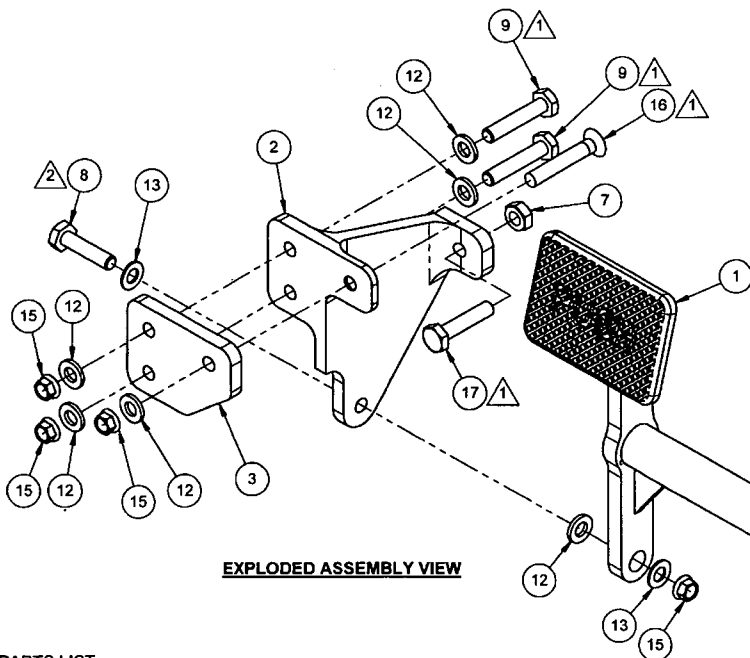
| W/O: | | WORK ORDER CHANGES | | | | | |
|------|------|--------------------|----|------|-----|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE | By | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
| | | | | | | | |
| | | | | | | | |

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

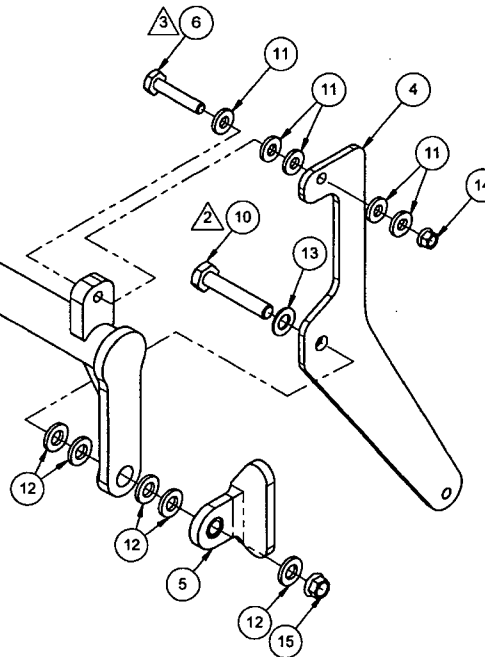
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

| NCR: | | WORK ORDER NON-CONFORMANCE (NCR) | | | | | | |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC Section A | Corrective Action Section B | | | Verification Section C | Approval Chief Eng | Approval QC Inspector |
| | | | Initial Chief Eng | Action Description Chief Eng | Sign & Date | | | |
| | | | | | | | | |
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| | | | | | | | | |

NOTE: Date & initial all entries



EXPLODED ASSEMBLY VIEW



D412-704-041 PEDAL ASSEMBLY

PARTS LIST:

| ITEM | QTY | P/N | DESCRIPTION |
|------|-----|--------------|--------------------|
| - | X | D412-704-041 | PEDAL ASSEMBLY |
| 1 | 1 | D3204-041 | PEDAL WELDMENT |
| 2 | 1 | D3205-1 | PEDAL BRACKET |
| 3 | 1 | D3205-3 | BACK PLATE |
| 4 | 1 | D3206-1 | PEDAL ARM |
| 5 | 1 | D3209-041 | BRACKET ASSEMBLY |
| 6 | 1 | AN3-10A | BOLT |
| 7 | 1 | AN315-4R | NUT |
| 8 | 1 | AN4-10A | BOLT |
| 9 | 2 | AN4-12A | BOLT |
| 10 | 1 | AN4-13A | BOLT |
| 11 | 5 | AN960JD10 | WASHER |
| 12 | 11 | AN960JD416 | WASHER |
| 13 | 3 | AN960JD416L | WASHER |
| 14 | 1 | MS21042L3 | NUT (OR MS21042-3) |
| 15 | 5 | MS21042L4 | NUT (OR MS21042-4) |
| 16 | 1 | MS24694-S102 | SCREW |
| 17 | 1 | MS9519-10 | BOLT |
| N/A* | 2 | AN3-6A | BOLT |
| N/A* | 4 | AN960JD10L | WASHER |
| N/A* | 2 | MS21042L3 | NUT (OR MS21042-3) |

* SHIPPED LOOSE WITH -041 KIT (NOT PRE-ASSEMBLED AT DART)

NOTES:

- 1 INSTALL IDENTIFIED FASTENERS LOOSE (HAND TIGHTEN ONLY).
- 2 TIGHTEN IDENTIFIED FASTENERS UNTIL SNUG. ENSURE THAT PARTS CAN STILL ROTATE.
- 3 TORQUE IDENTIFIED FASTENERS TO 15-25 in-lbs (1.7-2.8 N-m).

NO WORK ORDER
WITH OUT NOTICE
SUBJECT TO AMENDMENT
UNCONTROLLED COPY
ENGINEERING
RETURN TO
SHOP COPY

RELEASED

07.01.23

| REV | DATE | NEW ISSUE | DESCRIPTION |
|---------|----------|----------------|--|
| DESIGN | DRAWN BY | | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA |
| CHECKED | APPROVED | DRAWING NO. | REV. A |
| LE | | D412-704-041 | SHEET 1 OF 1 |
| DATE | 07.01.23 | TITLE | SCALE |
| | | PEDAL ASSEMBLY | 1:2 |

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